GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Home Department - A.P. State Disaster Response and Fire Services - Revised Fire Safety Measures for Cotton Ginning Mills for built-up area-wise structures of more than 1000 Sq.Meters - Guidelines - Issued.

HOME (PRISONS & FIRE SERVICES) DEPARTMENT

G.O.Ms.No.137 **Dated.17.11.2020.**
Read:

From the D.G., State Disaster Response and Fire Services, A.P., Vijayawada, Lr. Rc.No.3861/MSB Section/2019, Dt: 08.10.2020.

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ORDER:

The Director General, State Disaster Response and Fire Services, Andhra Pradesh, in his letter Dated.08.10.2020 has stated that Fire Accidents took place in the Cotton Ginning mills due to frictional heat of high speed machines and also sparks coming out of foreign material to stocks along with Cotton and Cotton Seeds. Some times spreading and Ginning waste also catch Fire due to spontaneous combustion in industries they are prone to Fire Accidents. Hence Fire safety measures have to be taken to minimize and mitigate the damage that occur out of the fire accidents in the cotton ginning mills.

2. He has informed that certain meetings were conducted by the Government regarding the issues and problems faced by Ginning Mills Industries in the State. Meeting was also conducted on 26.09.2020 with the members of the Ginning Mills and discussed the difficulties faced by the Cotton Ginning Mill Industries which are spread over more than 100 Sq.Meters built-up area so as to enable the industries to comply with the Fire Safety Norms. After due discussion and consultations with the Cotton Ginning Mills Association, and other Members & Officials of CCI, Guntur, framed Revised Fire Safety Norms Built-up area-wise structures of more than 1000 Sq. Meters and also based on the recommendations of the Committee of Fire Department to make it workable/practicable and implementable. Committee of Fire Department have also submitted its recommendations Dated.19.10.2019.

3. Government after careful examination of the matter, decided and accordingly hereby issue the Revised Fire Safety Norms Built-up areawise structures of more than 1000 Sq.Meters to make it workable /Practicable and implementable. Annexure appended to this G.O.

(P.T.O)

4. The Director General of State Disaster Response and Fire Services, Andhra Pradesh, Vijayawada, shall take further necessary action accordingly in the matter.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

KUMAR VISHWAJEET
PRINCIPAL SECRETARY TO GOVERNMENT

To
The Director General of State Disaster Response and Fire Services,
Andhra Pradesh, Vijayawada.
Copy to:-
The OSD to Hon'ble Minister (Home).
The P.S. to Principal Secretary to Government, Home Department
All the RFOs/DFOs in the State **through** the Director General of State Disaster Response and Fire Services, Andhra Pradesh, Vijayawada.
SF/SC.

//FORWARDED::BY ORDER//

SECTION OFFICER

Annexure to **G.O.Ms.No.137, Home (Prisons & Fire Services) Department dated. 17.11.2020** Guidelines on Revised Fire Safety Measures for Cotton Ginning Mills Built-up area wise structures of more than 1000 Sq.Meters.

A) For the built-up area structures Up to 1000 Sq.Mtrs:

Sl. No	Name of the Fire Equipment	Required items
1.	Fire Buckets	01 No. Bucket for every 45 Sq.Mtrs.,
2.	Fire Extinguishers	02 Nos. each 5 KG DCP for every 275 Sq.Mtrs.,
3.	Hose Reels	02 Nos.
4.	Yard hydrants	02 Nos.
5.	Wet Riser with internal Hydrant	
6.	Manual Call Point	02 Nos.
7.	Sprinklers	Not Recommended
8.	Smoke Detectors	Not Recommended
9.	Fire Pumps	10 HP Electrical Pump shall be installed.
10	Water Tanks	30,000 Ltrs. under ground tank

B) For the Built-Up area structures from 1001 to 3000 Sq. Mtrs:

Sl. No.	Name of the Fire Equipment	Required items
1.	Fire Buckets	01 No. Bucket for every 45 Sq.Mtrs.
2.	Fire Extinguishers	02 Nos. each 5 KG DCP for every 275 Sq.Mtrs.
3.	Hose Reels	One @ 750 Sq.Mtrs. built-up area
4.	Yard hydrants	One @30 Mtrs. perimeter with minimum 2 Nos.
5.	Wet Riser with internal Hydrant	One @ 750 Sq.Mtrs. built-up area
6.	Manual Call Point	One @625 Sq.Mtrs., built-up area preferably in escape routes and exit points.
7.	Sprinklers	Not Recommended
8.	Smoke Detectors	Not Recommended
9.	Fire Pumps	12.5 HP Electrical Pump shall be installed.
10	Water Tanks	50,000 Ltrs. under ground tank

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C) For the Built-Up area structures from 3000 to 5000 Sq.Mtrs.

Sl. No.	Name of the Fire Equipment	Required items
1.	Fire Buckets	01 No. Bucket for every 45 Sq.Mtrs.
2.	Fire Extinguishers	02 Nos. each 5 KG DCP for every 275 Sq.Mtrs.
3.	Hose Reels	One @ 750 Sq.Mtrs. built-up area
4.	Yard hydrants	One @30 Mtrs., perimeter with minimum 2 Nos.
5.	Wet Riser with internal Hydrant	One @ 750 Sq.Mtrs., built-up area
6.	Manual Call Point	One @625 Sq.Mtrs., built-up area preferably in escape routes and exit points
7.	Sprinklers	Not Recommended
8.	Smoke Detectors	Not Recommended
9.	Fire Pumps	01 No.Electric pump of 1620 LPM, 01 No.Diesel pump of 1620 LPM 01 No. Jockey pump of 180 LPM
10	Water Tanks	75,000 Ltrs., under ground tank

D) For the Built-Up area structures above 5000 Sq.Mtrs.,:

Sl. No.	Name of the Fire Equipment	Required items
1.	Fire Buckets	01 No. Bucket for every 45 Sq.Mtrs.,
2.	Fire Extinguishers	02 Nos. each 5 KG DCP for every 275 Sq.Mtrs.
3.	Hose Reels	One @ 750 Sq.Mtrs. built-up area
4.	Yard hydrants	One @30 Mtrs. perimeter with minimum 2 Nos.
5.	Wet Riser with internal Hydrant	One @ 750 Sq.Mtrs. built-up area
6.	Manual Call Point	One @625 Sq.Mtrs. built-up area preferably in escape routes and exit points
7.	Sprinklers	Not Recommended
8.	Smoke Detectors	Not Recommended
9.	Fire Pumps	02 Nos.Electric pump of 1620 LPM, 01 No. Diesel pump of 1620 LPM 02 Nos. Jockey pump of 180 LPM
10	Water Tanks	1,00,000Ltrs. under ground tank.

Cond..3

Additional Fire Equipment to be provided for every Ginning Mill:-

1. Fire Racks

2. Arrangements liaison with the JCB owners in high heap kapas which are prone to fires.

3. Water-Bins to be kept available in the premises to dip the burning Cotton to extinguish fire easily.

4. For Additional Water requirement, Water Tankers shall be made available.

5. Where there is no setbacks, they have to provide Hydrant Points at least two sides at easy accessible exits/entry points.

6. The gap should be of (6) meters to be maintained from one heap to other heap and a way to be provided to escape workers in Emergencies

E) For open stock yards

1. A minimum distance of 6 Meters should be maintained between any two buildings or between a building and storage in the open or between two different kinds of storages in the open.

2. Heaps of kapas or cotton or linters in boras in the compound should not exceed 10,000 Kg and their height should not exceed 4 meters. A minimum distance of 6 meters should be maintained between any two such heaps.

3. Residences and offices should be at least 50 meters away from the nearest storage of kapas or ginned cotton or cotton bales and the ginning and pressing houses.

4. Fully pressed bales should be stored at least 30 meters away from the press house, gin house, or from cotton or kapas stored in the open.

5. No lighting by mineral or vegetable oil should be allowed in the premises within 60 meters of cotton storage areas.

6. No loose cotton should be stored in open within 30 meters of stocks of kapas or fully pressed bales of cotton.

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F) Electrical Installation

1. The electrical installation shall be in accordance with IS:1646-1982.
2. All wiring shall be carried out in steel conduits.
3. All lighting fittings shall be of dust tight type.
4. All electrical motors shall be of totally enclosed type
5. Switchgear installed in gin house, press house, disinterring rooms and godowns should be of dust-tight type.

G) House Keeping :

1. All buildings, machinery, electrical wiring and equipment should be carefully maintained in sound condition at all times.
2. Open fires, naked lights and smoking in the factory compound should be prohibited.
3. Every boiler chimney in a factory compound should be fitted with an efficient spark arrestor which should be properly maintained.
4. Care should be taken to ensure that cotton, linters and cotton seeds do not fall on floor during processing and suitable arrangements should be made for the immediate removal thereof, should this happen.
5. Fire Safety requirements and orders should be prominently displayed at conspicuous places in the factory.
6. A spark arrestor to be kept at every entry/main gate, wherever the loaded/Truck (or) Tractor enters in the Ginning Mill Area.

H) Training and Awareness:

1. Training and Awareness shall be imparted to workers/factory supervisors on request of the management as per Rules.
2. The nearby Fire Station Telephone number shall be displayed at Factory premises.

KUMAR VISHWAJEET
PRINCIPAL SECRETARY TO GOVERNMENT

SECTION OFFICER